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FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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pplication Number	10/565,371	
iling Date	January 23, 2006	
irst Named Inventor	Stephane Paul	
xaminer Name		
ttorney Docket No.	1032751-000123	

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U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,552,005	B1	BUCHSBAUM et al.	04-22-2003
	5,359,035		HABERMANN	10-25-1994

	FOREIGN PATENT DOCUMENTS										
							STATUS				
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	0 158 198	A1	EP	10-16-1985				X	_		
	0 225 579	B1	EP	06-16-1987				X	T		
	0 288 809	B1	EP (Corres, To USP 5,359,035)	11-02-1988				Х			
	0 816 510	A1	EP	01-07-1998		_		X			
	94/21792	A2	wo ·	09-29-1994				X			
	98/40498	A2	WO	09-17-1998				X			
	99/36440	A2	WO	07-22-1999				X			
	98/08947	A1	WO	03-05-1998				X			
	93/20849	A1	WO	10-28-1993				Х			
	99/60128	A1	wo	11-25-1999				Х			
	02/102404	A1	wo	12-27-2002				Х			
	01/93898	A1	wo	12-13-2001				Х			
	03/035105	A2	WO	05-01-2003				Х			
	01/68896	A1	WO	09-20-2001				Х			
	01/10912	A1	wo	02-15-2001				Х			
	02/101049	A2	WO	12-19-2002				Х			

	NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
	International Search Report issued in corres. PCT/EP2004/008114, March 31, 2005, EPO, Rijswijk, NL				
	ROCK, F. et al., "Overexpression and structure – function analysis of a bioengineered IL-2/IL-6 chimeric				
	lymphokine", Protein Engineering, September 1992, pp. 583-591, vol. 5, no. 6, Oxford University Press, Surrey, GB				
	KAUFMANN, A.M., et al., "Comparison of Cytokines and CD80 for Enhancement of Immunogenicity of				
	Cervical Cancer Cells", Immunobiology, October 2000, pp. 339-352, vol. 202, no. 4, Urban & Fischer Verlag, GERMANY				
	KONDO, M., et al., "Enhancement of Interleukin-2-Induced Lymphokine-Activated Killer Activity by Interleukin				
	7 against Autologous Human Renal Cell Carcinoma", Oncology, November 1998, pp. 588-593, vol. 55, no. 6.				
	S. Karger AG, Basel, SWITZERLAND				

	Examiner Signature	/Prema Mertz/	Date Considered	11/13/2008	
*FXAMINER: Initial if reference considered, whether or not citation is in conformation with M.D.E.D. 5.500. Described the state of the					

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FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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. Complete if Known		
10/565,371		
January 23, 2006		
Stephane Paul		
1032751-000123		
	10/565,371 January 23, 2006 Stephane Paul	

Sheet 2 of 3

 JU, Dian Wen, et al., "Adenovirus-mediated combined suicide gene and interleukin-2 gene therapy for the
treatment of established tumor and induction of antitumor immunity", Journal of Cancer Research and Clinical
 Oncology, 1998, pp. 683-689, vol. 124, no. 12, Springer-Verlag, Heidelberg, GERMANY
SHANAFELT, Armen B., et al., "A T-cell-selective interleukin 2 mutein exhibits potent antitumor activity and is
well tolerated in vivo", Nature Biotechnology, November 2000, pp. 1197-1202, vol. 18, no. 11, Nature America
 Inc http://biotech.nature.com, USA
WIGGINTON, Jon M., et al., "Synergistic Engagement of an Ineffective Endogenous Anti-Tumor Immune
Response and Induction of IFN-y and FAS-Ligand-Dependent Tumor Eradication by Combined Administration
of IL-18 and IL-2", The Journal of Immunology, October 15, 2002, pp. 4467-4474, vol. 169, no. 8, The
American Association of Immunologists, Inc., Baltimore, MD
SON, Young-lk, et al., "Interleukin-18 (IL-18) Synergizes with IL-2 to Enhance Cytotoxicity, Interferon-y
Production, and Expansion of Natural Killer Cells", Cancer Research, February 1, 2001, pp. 884-888, vol. 61,
no. 3, American Association for Cancer Research, Baltimore, MD
WANG, Q., et al., "Intratumoral IL-18 gene transfer improves therapeutic efficacy of antibody-targeted
superantigen in established munne melanoma", Gene Therapy, April 2001, pp. 542-550, vol. 8, no. 7, Nature
Publishing Group, London, ENGLAND
SLOS, Philippe, et al., "Immunotherapy of established tumors in mice by intratumoral injection of an
adenovirus vector harboring the human IL-2 cDNA: Induction of CD8* T-cell immunity and NK activity",
 Cancer Gene Therapy, 2001, pp. 321-332, Vol. 8, No. 5, Nature Publishing Group, London, ENGLAND
CAO, Renhai, et al., "Interleukin-18 acts as an angiogenesis and tumor suppressor", The FASEB Journal,
December 1999, pp. 2195-2202, Vol. 13, Federation of American Societies for Experimental Biology,
 Bethesda, MD
MILLER, Patrice W., et al., "Intratumoral Administration of Adenoviral Interleukin 7 Gene-Modified Dendritic
Cells Augments Specific Antitumor Immunity and Achieves Tumor Eradication", Human Gene Therapy,
 January 2000, pp. 53-65, vol. 11, Mary Ann Liebert, Inc., New York, NEW YORK
NAKANISHI, Kenji, et al., "Interleukin-18 Regulates Both TH1 and TH2 Responses", Annu. Rev. Immunol.,
 2001, pp. 423-474, vol. 19, Annual Reviews, Palo Alto, CA
MICALLEF, Mark J., et al., "In vivo antitumor effects of murine interferon-y-inducing factor/interleukin-18 in
mice bearing syngeneic Meth A sarcoma malignant ascites", Cancer Immunol Immunother, 1997, pp. 361-
 367, vol. 43, Springer-Verlag, Heidelberg, GERMANY
OSAKI, Tadashi, et al., "IFN-y-Inducing Factor/IL-18 Administration Mediates IFN-y- and IL-12-Independent
Antitumor Effects", The Journal of Immunology, 1998, pp. 1742-1749, vol. 160, The American Association of
 Immunologists, Baltimore, MARYLAND
OSAKI, T., et al., "Potent antitumor effects mediated by local expression of the mature form of the interferon-y
inducing factor, interleukin-18 (IL-18)", Gene Therapy, 1999, pp. 808-815, vol. 6, Stockton Press, United
 Kingdom
HASHIMOTO, Wataru, et al., "Differential Antitumor Effects of Administration of Recombinant IL-18 or
Recombinant IL-12 are Mediated Primarily by Fas-Fas Ligand- and Perforin-Induced Tumor Apoptosis,
Respectively", The Journal of Immunology, 1999, pp. 583-589, vol. 163, The American Association of
 Immunologists, Baltimore, MARYLAND
KIM, Soo-Hyun, et al., "Identification of Amino Acid Residues Critical for Biological Activity in Human
Interleukin-18", The Journal of Biological Chemistry, March 29, 2002, pp. 10998-11003, Vol. 277, No. 13, The
 American Society for Biochemistry and Molecular Biology, Inc., Baltimore, MARYLAND
KIM, Soo-Hyun M., et al., "Site-specific mutations in the mature form of human IL-18 with enhanced biological
activity and decreased neutralization by IL-18 binding protein", Proc. Natl. Acad. Sci., March 13, 2001, pp.
3304-3309, vol. 98, no. 6, USA
DANTHINNE, X., et al., "Production of first generation adenovirus vectors: a review", Gene Therapy, 2000,
pp. 1707-1714, vol. 7, Macmillan Publishers Ltd., USA

Examiner		Date	
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Substitute for form 1449/PTO & 1449B/PTO

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First Named Inventor	Stephane Paul	
Examiner Name		
Attorney Docket No.	1032751-000123	

 HE, Z., et al., "Viral Recombinant Vaccines to the E6 and E7 Antigens of HPV-16", Virology, 2000, pp. 146-	1
161, Vol. 270, Academic Press, USA	l
KOYAMA, Fumikazu, et al., "Combined suicide gene therapy for human colon cancer cells using adenovirus-	1
mediated transfer of Escherichia coli cytosine deaminase gene and Escherichia coli uracil	l

phosphoribosyltransferase gene with 5-fluorocytosine", Cancer Gene Therapy, 2000, pp. 1015-1022, Vol. 7,

Examiner Signature	/Prema Mertz/	Date Considered	1,1/13/2008